

5

Abstract

10

[0060] This invention provides multi-layered composites, laminates and composite joints in which at least one resin-impregnated, fiber-containing layer is joined or laminated to a core layer having a lower flexural modulus or higher elongation at break, higher toughness, or a combination of all or some of these properties. The multi-layer composite produced by laminating or joining these materials together has improved shearout, impact and cutting resistance, since stresses caused by outside forces can be more widely distributed throughout the composite.

0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50